




64TH CONFERENCE ON EXCEPTIONAL CHILDREN

WORKING TOGETHER TO ACHIEVE STUDENT SUCCESS

Complex Skills & Struggling Learners

PUBLIC SCHOOLS OF NORTH CAROLINA
State Board of Education | Department of Public Instruction

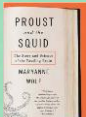
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The Science of Reading

"We were never born to read. Human beings invented reading only a few thousand years ago. And with this invention we rearranged the very organization of our brain..."

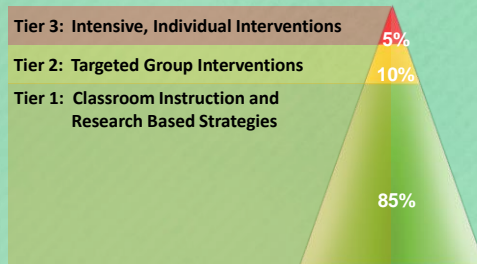


*Proust and the Squid:
The Story and Science
of the Reading Brain*
by Maryanne Wolf

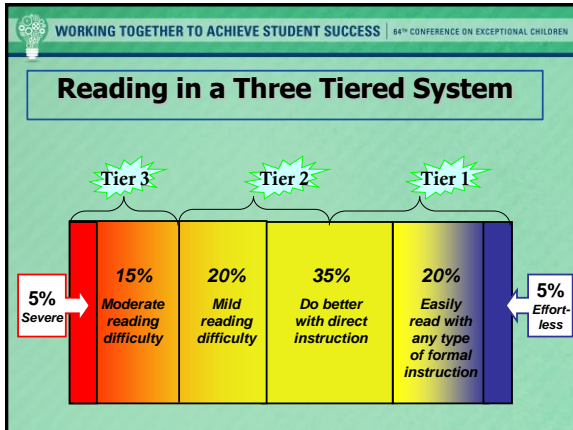


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The Ideal Model



Tier	Intervention Type	Percentage
Tier 3	Intensive, Individual Interventions	5%
Tier 2	Targeted Group Interventions	10%
Tier 1	Classroom Instruction and Research Based Strategies	85%




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The Cost of Illiteracy

"The link between academic failure and delinquency, violence, and crime is **welded to reading failure.**"
-U.S. Department of Justice


- 60% of prison inmates are illiterate
- 70% return to prison if they don't receive reading instruction
- ❖ Drops to 16% if they do receive instruction

Students in Tiers 2 & 3

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Issues for a Struggling Reader

- Trouble participating in whole class instruction
- Low self-esteem
- At-risk of dropping out of school
- Frustrated and getting into trouble
- Difficulty getting employment

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Academic Challenges

- Don't know how to read for meaning
- Lack vocabulary
- Poor fluency
- Insufficient writing skills
- Not able to transition to "reading to learn"

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Why these Students Struggle

- Lack reading strategies
- Inadequate vocabulary knowledge impacts comprehension
- Comprehension deficits impact fluency
- Need step-wise writing instruction
- Lack interest and motivation



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What these Students Need

- Comprehension skills and strategies
- Vocabulary, including multisyllabic words
- Writing with a reading/writing connection
- Scaffolded instruction, leading to independence
- Ample opportunities to practice reading

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Effective Literacy Interventions

- Collaborative Learning
- Blended Instruction
- Scaffolding & Support




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Scaffolded Instruction

“I do, you watch
I do, you help
You do, I help
You do, I watch”

Classroom Strategies for Interactive Learning, 4th Ed (2013)
By Doug Buehl
Published by the International Reading Association

Instructional Strategies for Comprehension

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Reading Next and NAEP

- More than eight million students in grades 4 -12 are struggling readers.
- Only 33 % of eighth graders perform at or above the reading level.
- American youth need strong literacy skills to succeed in school and in life including social settings, as civil participants, and in the working world.

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With strong roots
the tree will grow.



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Teach Students to Interact with Texts

A Planet's History

People have known about planets for a long time. "Thousands of years ago, the ancient Greeks noticed 'wandering stars.' They called them planets. The Greeks saw only the planets because they were looking with the naked eye. Once telescopes were invented, scientists could see other objects orbiting the sun. They called those objects planets too. Our view of the solar system expanded to include eight planets.

Space scientists continued to learn about the solar system. In the early 1930s, they knew that there was another planet too far away for them to see. When Clyde Tombaugh found Pluto in 1930, no one said, "Maybe Pluto isn't a planet."

Of course it was a planet! It was right where they thought a missing planet would be.

But as astronomers studied Pluto, they learned some strange things. It is much smaller than the other planets. It also has an unusual orbit. Then the scientists began finding other objects—not planets—that also orbited the sun. Astronomers began to wonder: Was Pluto really a planet? What was a planet anyway? The International Astronomical Union (IAU), a group of space scientists, decided that it was time to define planet.

On August 24, 2006, the IAU decided that these features define a planet:

- It orbits the sun.
- It has a round shape.
- It is able to push objects out of its orbital path.

But this definition caused a problem.

Pluto's orbit has an unusual shape compared to other planets.

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Read the Text

American leaders realized that it was essential for the colonies to unite against their common enemy, England. To that end, they drafted the Articles of Confederation in 1777. This document set up a central government for all states. It consisted of a representational Congress, with each state having one vote in all decisions. This body was supposed to establish a relationship with the other nations in the world, especially those nations who were helping America fight against the British in the American Revolution.

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Break Down the Text

Main Idea

The Articles of Confederation set up a central government for all the states.

Detail

The Congress united all the states against England.

Detail

Each state had one vote in all decisions.

Detail

The Congress established a relationship with other nations.

Instructional Strategies for Vocabulary


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Why Vocabulary is Important

Language areas:

Listening (receptive/auditory)	Reading (receptive/written)
Speaking (productive/oral)	Writing (productive/written)

ALL students, **ALL** content-areas, **EVERY** day

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Skills and Strategies

- Multiple meanings
- Visualizing
- Modeling
- Prior knowledge
- Classifying words
- Compare/contrast
- **Multisyllabic words**
- **Greek & Latin roots**
- Rephrasing
- Multiple exposures
- Use of words in context
- Word analysis
- Synonyms
- Homonyms
- **Apply vocabulary in writing**

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Activity: Multisyllabic Words

i says /ē/

stu di o de vi ate o be di ence

char i ot pho bi a au di ence

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Activity: Greek & Latin Roots

Graph

- Autograph
- Biography
- Geography
- Paragraph

Scrib/Scrip

- Script
- Scribe
- Prescription
- Subscribe

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Activity: Roots, Prefixes, and Suffixes

PREFIXES
Respect
Inspect
Retrospect
Introspect
Prospect

ROOT
spect

SUFFIXES
Respectful
Inspected
Retrospective
Introspection
Prospective

Instructional Strategies for Writing



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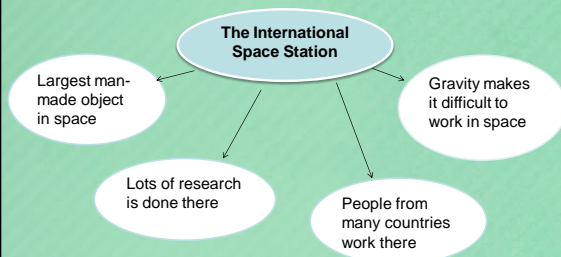
Writing Next Statistics


- **70%** of students in grades 4 – 12 are low-achieving writers
- **38%** of high school graduates in the workforce find their writing does not meet expectations
- Over **50%** of employers say that writing skills impact workers' promotions



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Planning




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Paragraph 1 – Main Idea
The International Space Station (ISS) is the largest man-made object in space.

Paragraph 2 – Main Idea
A lot of important research is conducted on the ISS.

Paragraph 3 – Main Idea
Astronauts from many countries are building an incredible place to live and work.

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Paragraph 1


Detail	Detail	Detail
As big as a football field	Can host many scientists	Spaceships can dock there

Paragraph 2

Detail	Detail	Detail
Scientists grow plants	Perform medical experiments	Affects of space on humans


Paragraph 3

Detail	Detail	Detail
Fifteen nations are working on it	Living together & sharing ideas	


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Helpful Tips

- Create a Writing Rubric
- Provide a Peer Review Checklist & Editing Checklist
- Practice, Practice, & More Practice

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In Closing



The elevator to success is out of order. You'll have to use the stairs... one step at a time.

Joe Girard
